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REFERENCE	DESIGNA	TION	U.S. PA	ATENT DOCUMENTS		Τ	Ų.
Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date / if Appropriate
\sim	AA	5,510,306	4/23/96	Murray	502/64	502/68	
	AB	3,636,034	1/18/72	Ohsumi et al.	260	459	
	AC	3,952,068	4/20/76	Gipson et al.	260	632 R	
	AD	4,474,678	10/2/84	Lutz et al.	252	174.21	
	AE	3,424,815	1/28/69	Cannell et al.	260	683.15	
	AF	5,196,625	3/23/93	Threlkel et al.	585	513	
	AG	5,389,277	2/14/95	Prieto	252/99	252/95	
\top	AH	4,959,491	9/25/90	Threlkel	562/94	585/455	
M	AI	5,196,625	3/23/93	Threlkel et al.	585/513	585/514	
	.1	1	FOREIGN	PATENT DOCUMENTS		1	1
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<u> </u>	AL	0,439,316	1/21/91	Europe	C11D	1/14	
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2	AM AN	0,439,316 0,373,850 0,300,444 0,329,670	12/11/89 7/20/88 10/2/87	Europe Europe	C11D C07C C07C	3/386 141/08 69/34	X
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The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention. 1.

^{2.} This is not a representation that a search has been made.



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REFERENCE D	ESIGNA	TION	U.S. PA	TENT DOCUMENTS	1			
Examiner Initial		Document Number	Date	Patentee	Class	Subclass	Filing Date if Appropriate	e
Vy.	ВА	3,931,271	1/6/76	Baumann et al.	260	458		
	BB	3,843,706	10/22/74	Weil et al.	260	458		
	ВС	5,112,519	5/12/92	Giacobbe et al.	252	174.21		
	BD	3,231,621`	1/25/66	Slaugh	260	604		
	BE	3,239,569	3/8/66	Slaugh et al.	260	632	<u> </u>	
	BF	3,239,570	3/8/66	Slaugh et al.	260	632		
	BG	3,239,571	3/8/66	Slaugh et al.	260	632		
	ВН	3,420,898	1/7/69	Van Winkle et al.	260	632		
₩ <u></u>	BI	3,440,291	4/22/69	Van Winkle et al.	260	632		
			FOREIGN	PATENT DOCUMENTS	1	<u> </u>		
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^{1.} 2. The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.

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REFERENCE	DESIGNA	TION	U.S. PA	ATENT DOCUMENTS	1		
Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
W	CA	3,448,158	6/3/69	Slaugh et al.	260	604	
1	СВ	3,448,157	6/3/69	Slaugh et al.	260	604	
	cc	3,496,203	2/17/70	Morris et al.	260	439	
	CD	3,496,204	2/17/70	Morris et al.	260	439	
	CE	3,501,515	3/17/70	Van Winkle et al.	260	439	
	CF	3,527,818	9/8/70	Mason et al.	260	632	
	CG	3,239,566	3/8/66	Slaugh et al.	260	604	
	СН	5,026,933	6/25/91	Blain et al.	585/7	562/93	
₩>	CI	4,992,613	2/12/91	Brownscombe	585	666	
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	со						
		OTHER DOCUMEN	ITS (INCLUDING A	AUTHOR, TITLE, DATE, PERTINEN	NT PAGES, E	AC')	
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ATTY. DOCKET NO. TH0681N (US)

APPLICATION NUMBER 09/1055,964

APPLICANT

D. M. Singleton et al.

(Use several sheets if necessary)

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FORM PTO-1449 (Modified)

GROUP ART UNIT FILING DATE

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N	EA	5,780,694	7/14/98	Singleton	568	909			
1	EB	5,112,519	3/12/92	Giacobbe et al.	252	174.12			
	EC	5,245,072	9/14/93	Giacobbe et al.	560	99			
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GROUP ART UNIT

REFERENCE	ESIGNA	TION	U.S. P	ATENT DOCUMENTS	1			
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W	DA	2,654,772	10/6/53	Pavlic	260	459		
	DB	2,655,255	8/20/48	Brown	206	4		
	DC	2,852,563	9/16/58	Hagemeyer et al.	260	601		
	DD	3,119,876	1/28/64	Jaros et al.	260	604		
	DE	3,172,451	3/9/65	Leonard	72	10		
	DF	4,032,578	6/28/77	Savini	260	601 R		
	DG	4,426,542	1/17/84	Barker et al.	568	883		
	DH	2,655,525	10/13/53	Banes et al.	260	459	ļ	
R	DI	3,127,451	1/25/60	Berkeley, Jr. et al.	260	638		
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		Document No.	Date	Country	Class	Subclass	<u>Translati</u> Yes	on No
P	DL	85/02175	5/23/85	World	C07C2	29/14		
	DM	798,541	6/1/56	Great Britain	C07C			
	DN	97/38956	10/23/97	World	C07C	1/04		···
	DO	97/38957	10/23/97	World	C07C	2/06		
1	DP	97/38972	10/23/97	World	C07C	303/24		
	1	OTHER DOCUME	NTS (INCLUDING)	AUTHOR, TITLE, DATE, PERTIN	ENT PAGES, E	rc.)	1	
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	DS							

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